

**ABSTRACT****NUCLEIC ACID SEQUENCES ENCODING TYPE III TENEBRIO  
ANTIFREEZE PROTEINS AND METHOD FOR ASSAYING ACTIVITY**

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Thermal hysteresis proteins and their nucleotide sequences derived from the *Tenebrionoidea* Superfamily which lower the freezing point of a solution without effecting the melting point. Related methods for preparing said proteins and for providing antifreeze or recrystallization inhibition properties to a subject formulation.

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